

Multiplying and Dividing Various Fractions (B)

Name: _____

Date: _____

Score: _____

Calculate each result.

1. $3\frac{1}{2} \div 3\frac{8}{9} =$

2. $2\frac{1}{4} \div \frac{7}{2} =$

3. $\frac{2}{3} \times \frac{13}{4} =$

4. $3\frac{3}{5} \times 1\frac{1}{2} =$

5. $1\frac{1}{2} \times \frac{1}{3} =$

6. $\frac{4}{7} \times \frac{23}{8} =$

7. $\frac{11}{6} \times \frac{8}{3} =$

8. $\frac{7}{4} \div \frac{21}{8} =$

9. $\frac{3}{5} \div \frac{18}{5} =$

10. $\frac{7}{2} \div \frac{1}{2} =$

Multiplying and Dividing Various Fractions (B) Answers

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Calculate each result.

$$1. \quad 3\frac{1}{2} \div 3\frac{8}{9} = \frac{7}{2} \div \frac{35}{9} = \frac{7}{2} \times \frac{9}{35} = \frac{63}{70} = \frac{9}{10}$$

$$2. \quad 2\frac{1}{4} \div \frac{7}{2} = \frac{9}{4} \div \frac{7}{2} = \frac{9}{4} \times \frac{2}{7} = \frac{18}{28} = \frac{9}{14}$$

$$3. \quad \frac{2}{3} \times \frac{13}{4} = \frac{2}{3} \times \frac{13}{4} = \frac{26}{12} = \frac{13}{6} = 2\frac{1}{6}$$

$$4. \quad 3\frac{3}{5} \times 1\frac{1}{2} = \frac{18}{5} \times \frac{3}{2} = \frac{54}{10} = \frac{27}{5} = 5\frac{2}{5}$$

$$5. \quad 1\frac{1}{2} \times \frac{1}{3} = \frac{3}{2} \times \frac{1}{3} = \frac{3}{6} = \frac{1}{2}$$

$$6. \quad \frac{4}{7} \times \frac{23}{8} = \frac{4}{7} \times \frac{23}{8} = \frac{92}{56} = \frac{23}{14} = 1\frac{9}{14}$$

$$7. \quad \frac{11}{6} \times \frac{8}{3} = \frac{88}{18} = \frac{44}{9} = 4\frac{8}{9}$$

$$8. \quad \frac{7}{4} \div \frac{21}{8} = \frac{7}{4} \times \frac{8}{21} = \frac{56}{84} = \frac{2}{3}$$

$$9. \quad \frac{3}{5} \div \frac{18}{5} = \frac{3}{5} \div \frac{18}{5} = \frac{3}{5} \times \frac{5}{18} = \frac{15}{90} = \frac{1}{6}$$

$$10. \quad \frac{7}{2} \div \frac{1}{2} = \frac{7}{2} \div \frac{1}{2} = \frac{7}{2} \times \frac{2}{1} = \frac{14}{2} = 7$$